

S'COOL BREEZE



Student's Cloud Observations On-Line

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Wall Mural at VA Air & Space Center

Summer S'COOL Adventures

by Roberto Sepulveda

NASA's Langley Research Center was once again assaulted this summer by a group of inquisitive educators looking for the experience of a lifetime. In true NASA form, Langley delivered! Twenty-one elementary teachers from across the United States and Puerto Rico joined the S'COOL team as ambassadors this past July. After six full days of fun, challenges and excitement, they emerged as gladiators ready to take on the world...OK, so I like to dramatize. The teachers had the opportunity to meet with many scientist, researchers and facilitators here at Langley. Whether they were being molded by craftsmen in the model shop, blown away by colossal wind tunnels, animated into a 3-D simulation of the atmosphere or

piloted into the skies behind the controls of a flight simulator the teachers emerged yet again to take on another adventure during their stay. It was a pleasure to have been part of this 4th annual summer S'COOL workshop and to have experienced the quality of teachers involved in NASA's S'COOL project. Our students are in capable hands! We invite you to relax for a moment and join us as we take a look back at some of the highlights at this year's workshop.



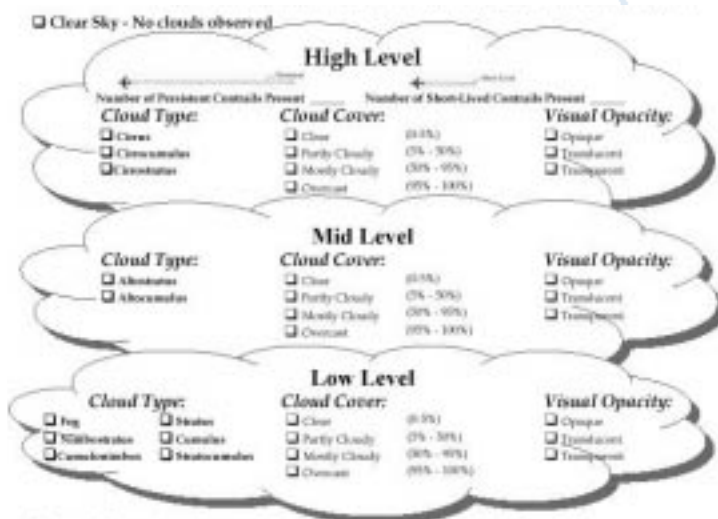
Photograph by Marc Fischer

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A 'New Look' for Observation Forms



Many of you will be starting off the school year with many new faces and a 'new look' for your classrooms. The S'COOL Project decided to join you with a few changes of its own considering the growing popularity of our program. After several months of field tests the report form shown is now available for printing on-line. In addition to this field report form, we have also been busy updating our on-line report form to coincide with this new 'field' version. We will soon switch to this 'new on-line look' and students will be able to submit their data to NASA quickly and efficiently. The 'new look' was designed to increase user friendliness, decrease confusion and help eliminate reporting errors. We are confident that your students will enjoy the new method for recording observations.

But wait, there's more good news! The NASA database is also undergoing changes that will enable students to more effectively retrieve their data. 'How will this be useful in my classroom' you ask? Let us explain. Your students will be able to use the entire database to do research about other geographical areas and compare differing cloud patterns to their own. Furthermore, students will be able to select their data from such fields as country, state

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Summer S'COOL Adventures *(continued from page 1)*

Here are some very candid moments and remarks from this year's participants.

"Wonderful experience! It recharged my enthusiasm and I can't wait to get into it with my class."



Teachers come face to face with the splendor of one of Langley's gigantic wind tunnels.

Langley Air Force Base
Hampton, VA



"Thanks for bringing in all the scientists, engineers and experts to talk to us. I really enjoyed the presentations and I learned a great deal."

Don't expect to see any Oscar nominations for these 'Water Cycle' play performers.
Reid Center
NASA Langley



F-15 pilot warns teachers not to touch any of the red buttons marked 'FIRE' before letting them in for a closer look.
Langley Air Force Base
Hampton, VA

*"Awesome!
Highlight of the summer."*



Teachers soon found out that model building can be more complicated than gluing together plastic pieces.
Model Shop
NASA Langley



In anticipation of the centennial celebration of the Wright brothers' flight, participants marvel at the history of aviation.

VA Air & Space Center,
Hampton, VA

"I leave even more excited than I was when I came. I will be able to get my students excited when I go back to school."

"This has been an inspiring and excellent experience which will be useful as I implement standards in math, science, language arts, and technology in my class."

"Stereo-what?" Using computer-aided design tools, NASA researchers build models and visual aids for testing.
Stereo-lithography Lab
NASA Langley



S'COOL Participants prepare for battle as storm clouds approach over the horizon.
Naval Shipyard,
Norfolk, VA



S'COOL participants 'dig-in' as NASA education specialists come out to share their educational materials.
Share-A-Thon
NASA Langley

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– Jamie, AZ



– Sonia, PR

– Fran, VA

- Lorrie, WV



- Linda, NY

As you can probably guess, we are truly excited about the changes that are taking place around here. Imagine the technological advantage that your students will demonstrate as they become avid users of our database. Have you ever considered making connections with other schools around the world and possibly allowing your students to work together with electronic S'COOL pals? Here's your opportunity to bring those dreams to life. Other participants have made inquiries and will be using the S'COOL Project as a stepping-stone for collaborative efforts with schools around the globe. If we have managed to spark your interests write to us and tell us your plans for using the S'COOL Project with your students. Who knows? Your ideas may be the catalyst for yet another worldwide student opportunity. Let us know what's on your mind. We would love to support you with your visions! Write to us at: scool@larc.nasa.gov

<http://asd-www.larc.nasa.gov/SCOOL/materials.html>

Thank you for your continued participation!



Teacher Corner



S'COOL News



Teacher Resources:

Just a reminder to check out all the ‘New S’COOL Products’ available for printing like the **one page ‘Cloud Identification Chart’** for kids and the **new printable observation report form**.
<http://asd-www.larc.nasa.gov/SCOOOL/materials.html>

Thank you for your continued participation!

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Upcoming Events

Society for Advancement of Chicanos and Native Americans
in Science Conference, Anaheim, CA September 26²⁹

Tidewater Association of Science Educators Conference,
Chesapeake, VA, September 28

New Jersey Science Convention
Somerset, NJ, October 15 & 16

Florida Association of Science Teachers
Sarasota, FL October 17-19

National Council of Space Grant Directors Meeting
Dorado, P.R. October 27-29

<http://asd-www.larc.nasa.gov/SCOOL/visits>.

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A 'Homeschool' View of the Clouds!

"The openings in the lower levels allowed us today to observe the upper levels of clouds. It was really beautiful and we spent a lot of time today just looking at the sky from a blanket. The ability to see the different levels of cloud types was very unusual. We are learning a lot through this project and the children love it. They are getting good experience at reading the temperature, humidity and barometric pressure. This is a wonderful opportunity and I thank you for allowing us to participate."

Your Cloud Friends,
Brookhaven Mill Academy